

PERSONAL INFORMATION

Daniele Santorelli

Sex male | Date of birth | Nationality Italian

ACTUAL POSITION

(1/11/2018 – to present)

Ph. D. student in Biochemistry

University of Rome "La Sapienza" Rome, Italy (tutor Prof. Travaglini-Allocatelli)

- My main interest during my training for the Ph.D. was the folding and misfolding study of proteins containing KH domains and bromodomains, both of bacterial and human origin, and implicated in human pathogenesis (cancer, fragile X syndrome) and for the development of new antibiotic strategies (through the targeting of bacterial ribosome maturation).

EDUCATION AND TRAINING

(2/5/2018 to 1/11/2018)

Research fellowship

University of Chieti "G. D'Annunzio" Chieti, Italy (tutor Prof. Luca Federici)

- During this period, I was involved in the study of the interactions of the human chaperone Nucleophosmin with binding partners through Fluorescence spectroscopy.
- Fellowship title: "Expression, purification and characterization of proteins interacting with human Nucleophosmin (hNPM1)"

(1/01/2016 to 30/01/2018)

Master of Science in Medical Biotechnology

University of Rome "La Sapienza" Rome

- Graduated 110/110 *cum laude*.
- Thesis title "Folding characterization of RbfA from *Pseudomonas aeruginosa*: a protein implicated in ribogenesis"

(1/11/2011- to 25/5/2015)

Bachelor's Degree in Biotechnology

University of Rome "Tor Vergata" Rome

PERSONAL SKILLS

Mother tongue(s) Italian

Other language

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2

Computer skills

- good command of Microsoft Office™ tools
- good command of analysis programs as Kaleidagraph and GraphPad

ADDITIONAL INFORMATION

Publications

- **Santorelli D**, Rocchio S, Fata F, Silvestri I, Angelucci F, Imperi F, Marasco D, Diaferia C, Gigli L, Demitri N, Federici L, Di Matteo A, Travaglini-Allocatelli C. The folding and aggregation properties of a single KH-domain protein: Ribosome binding factor A (RbfA) from *Pseudomonas aeruginosa*. *Biochim Biophys Acta Gen Subj*. 2021 Feb;1865(2):129780. doi: 10.1016/j.bbagen.2020.129780. Epub 2020 Nov 4. PMID: 33157160.
- Novak L *, Petrosino M*, **Santorelli D***, Chiaraluce R, Consalvi V, Pasquo A, Travaglini-Allocatelli C. A Glimpse into the Structural Properties of the Intermediate and Transition State in the Folding of Bromodomain 2 Domain 2 by Φ Value Analysis. *Int J Mol Sci*. 2021 May 31;22(11):5953. doi: 10.3390/ijms22115953. PMID: 34073056.
- Rocchio S, **Santorelli D**, Rinaldo S, Franceschini M, Malatesta F, Imperi F, Federici L, Travaglini-Allocatelli C, Di Matteo A. Structural and functional investigation of the Small Ribosomal Subunit Biogenesis GTPase A (RsgA) from *Pseudomonas aeruginosa*. *FEBS J*. 2019 Nov;286(21):4245-4260. doi: 10.1111/febs.14959. Epub 2019 Jul 2. PMID: 31199072.
- Di Matteo A, Federici L, Masulli M, Carletti E, **Santorelli D**, Cassidy J, Paradisi F, Di Ilio C, Allocati N. Structural Characterization of the Xi Class Glutathione Transferase From the Haloalkaliphilic Archaeon *Natrialba magadii*. *Front Microbiol*. 2019 Jan 18;10:9. doi: 10.3389/fmicb.2019.00009. PMID: 30713525; PMCID: PMC6345682.

Conferences

- 18-20 September 2019: 60th SIB congress (Lecce, Italy). Presenting the work entitled: Folding and fibrillation analysis of the ribosome binding factor A (RbfA) from *P. aeruginosa*. (abstract selected for oral communication)
- 20-21 February 2020: 1st AIC-BMM Meeting (Fiesole, Italy), presenting the work entitled: Structural and biochemical characterization of the ribosome biogenesis factor RsgA from *Pseudomonas aeruginosa* (abstract selected for oral communication).
- 3-7 July 2021: FEBS 2021 Congress (online congress) presenting the work entitled: Structural characterization and stability analysis in the folding of the second Bromodomain of the BRD2 protein (poster presentation)

Honours and awards

- In 2020 won the "Avvio alla ricerca" project for young scientist and was founded by La Sapienza University of Rome
- "Graduated with excellence" (La Giornata del Laureato - VI edition) given to the 400 best students graduating at La Sapienza University in the 2016/2017 academic year for achieving excellent academic results

DATE : 16/07/2021

SIGN



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